

19

tive to sustain such magnetic domains, said magnetic biasing means comprising at least one permanent ring magnet, the central aperture of which is large enough to surround and is positioned to surround the major plane surface of said crystal platelet, said ring magnet being positioned to have its central axial field applied substantially perpendicu-
larly to substantially the center of said major plane surface of said crystal platelet, said means to establish a magnetic biasing field further including a second permanent ring magnet juxtaposed with said one permanent ring magnet, said pair of ring magnets having their central fields oppositely directed

20

and being positioned to have a predetermined portion of the resultant central field generated by said pair of opposed magnets applied substantially perpendicularly to the major plane surface of said crystal platelet.

3. Apparatus as in claim 2 and further including means to support and controllably move said pair of ring magnets relative to said crystal platelet to position said platelet in a portion of the resultant central field of said pair of magnets and to vary the magnitude of said magnetic biasing field in said crystal.

* * * * *

15

20

25

30

35

40

45

50

55

60

65